REMARKS

Favorable reconsideration of this application as presently amendment and in light of the following discussion is respectfully requested.

Claims 1, 3, 4, 6, 7, 10, 12, 13, 15 and 16 are pending in the present application. Claims 1 and 10 have been amended by the present amendment.

In the outstanding Office Action, claim 1 was rejected under 35 U.S.C. § 112, first paragraph; claims 1, 10, 12, 13, 15 and 16 were rejected under 35 U.S.C. § 112, first and second paragraphs; and claims 1, 3, 4, 6, 7, 10, 12, 13, 15 and 16 were rejected under 35 U.S.C. § 103 (a) as unpatentable over Grigor et al. in view of Hodgkinson and Iida et al.

Regarding the rejection of the claims under 35 U.S.C. § 112, first and second paragraphs, claims 1 and 10 have been amended to remove the term "fully." Accordingly, it is respectfully requested these rejections be withdrawn.

Claims 1, 3, 4, 6, 7, 10, 12, 13, 15 and 16 stand rejected under 35 U.S.C. § 103 (a) as unpatentable over Grigor et al. in view of Hodgkinson and Iida et al. This rejection is respectfully traversed.

Amended independent claim 1 includes a combination of features and has been amended to clarify that the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the start point of the graphic image is shifted to within the valid display period. Independent claim 10 includes similar features in a varying scope.

These features are supported at least by Fig. 5 and page 8, lines 1-8 of the present specification. For example, Fig. 5 illustrates the start point of the graphic image being shifted to a valid screen contained between the horizontal sync signals H_Sync according to the resolution

controlling operation, and part of a rear end of a graphic image being excluded from a valid display such that the number of pixels of the graphic image in a horizontal direction is reduced and the number of lines of the graphic image in a vertical direction is reduced.

Further, as shown in Fig. 5, the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the start point of the graphic image is shifted to within the valid display period. Thus, as shown in Fig. 6, the user selection menu bar located at a top portion of the graphic image is appropriately displayed and the user can select a desired item.

That is, the present invention solves a specific problem in which a menu bar is not fully displayed on a valid screen of a television, for example (see Fig. 3) by selecting a first resolution value, a second resolution value, confirming the source type of the graphic image, and shifting a start point of the graphic image based on the value selected such that the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the start point of the graphic image is shifted to within the valid display period.

The Office Action relies on Iida et al. as shifting a start point of the graphic image as claimed and cites FIGS. 2A-2C and columns 5 and 6. However, as shown in FIGS. 2A-2C of Iida et al., the displayed information is reduced between SGA, SVGA and VGA, respectively. As shown, the image in FIG. 2A is reduced in FIG. 2B and further reduced in FIG. 2C. The images are not shifted in the present invention in which the start point of the graphic image is shifted to within a valid display such that part of the rear end of the graphic image excluded from the valid display corresponds to an amount the start point of the graphic image is shifted to within the

valid display period. The images are merely reduced in Iida et al. Grigor et al. and Hodgkinson also do not teach or suggest these features.

Accordingly, it is respectfully submitted independent claims 1 and 10 and each claims depending therefrom are allowable.

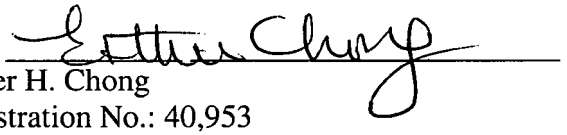
CONCLUSION

If the Examiner has any questions or comments, please contact David A. Bilodeau, Reg. No. 42,325 at the offices of Birch, Stewart, Kolasch & Birch, LLP.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

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Respectfully submitted,

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